

<!--StartFragment-->RESULT 7
ABG14547
ID ABG14547 standard; protein; 1042 AA.
XX
AC ABG14547;
XX
DT 18-FEB-2002 (first entry)
XX
DE Novel human diagnostic protein #14538.
XX
KW Human; chromosome mapping; gene mapping; gene therapy; forensic;
KW food supplement; medical imaging; diagnostic; genetic disorder.
XX
OS Homo sapiens.
XX
PN WO200175067-A2.
XX
PD 11-OCT-2001.
XX
PF 30-MAR-2001; 2001WO-US008631.
XX
PR 31-MAR-2000; 2000US-00540217.
PR 23-AUG-2000; 2000US-00649167.
XX
PA (HYSEQ-) HYSEQ INC.
XX
PI Drmanac RT, Liu C, Tang YT;
XX
DR WPI; 2001-639362/73.
DR N-PSDB; AAS78734.
XX
PT New isolated polynucleotide and encoded polypeptides, useful in
PT diagnostics, forensics, gene mapping, identification of mutations
PT responsible for genetic disorders or other traits and to assess
PT biodiversity.
XX
PS Claim 20; SEQ ID NO 44906; 103pp; English.
XX
CC The invention relates to isolated polynucleotide (I) and polypeptide (II)
CC sequences. (I) is useful as hybridisation probes, polymerase chain
CC reaction (PCR) primers, oligomers, and for chromosome and gene mapping,
CC and in recombinant production of (II). The polynucleotides are also used
CC in diagnostics as expressed sequence tags for identifying expressed
CC genes. (I) is useful in gene therapy techniques to restore normal
CC activity of (II) or to treat disease states involving (II). (II) is
CC useful for generating antibodies against it, detecting or quantitating a
CC polypeptide in tissue, as molecular weight markers and as a food
CC supplement. (II) and its binding partners are useful in medical imaging
CC of sites expressing (II). (I) and (II) are useful for treating disorders
CC involving aberrant protein expression or biological activity. The
CC polypeptide and polynucleotide sequences have applications in
CC diagnostics, forensics, gene mapping, identification of mutations
CC responsible for genetic disorders or other traits to assess biodiversity
CC and to produce other types of data and products dependent on DNA and
CC amino acid sequences. ABG00010-ABG30377 represent novel human diagnostic
CC amino acid sequences of the invention. Note: The sequence data for this
CC patent did not appear in the printed specification, but was obtained in
CC electronic format directly from WIPO at
CC ftp.wipo.int/pub/published_pct_sequences
XX
SQ Sequence 1042 AA;

Query Match 93.4%; Score 1291; DB 4; Length 1042;
Best Local Similarity 94.4%; Pred. No. 1.7e-119;
Matches 255; Conservative 4; Mismatches 11; Indels 0; Gaps 0;

Qy 1 MNIDAKILNKILANQIQQHIKKLIHHDVGVFIPGMQGWFNIHKSINVQHINRTKDKNMH 60
|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

Db 399 MNIDAKILNKILANRQQHIKKLIHHDVGVFIPGMQGWFNIRKSINVQHINRAKDKNMH 458

Qy 61 IISVDAEKAFDKVQQHFMLKTLNKLGIDGTYLKIIIRAIYDKPTANIILNGLKLEAFPLKT 120
|||:|||||:|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

Db 459 IISIDAEEKAFDKIQQPMLKTLNKLGIDGTYFKIIRAIYDKPTANIILNGKKLEAFPLKT 518

Qy 121 GTRQGCPLSLLLNFNIVLEVLRPAIRQEKEINCIQLGKEEVKLPLFADDMIVYLENPVSA 180
|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

Db 519 GTRQGCPLSLLLNFNIVLEVLRPAIRQEKEIKGIQLGKEEVKLSLFADDMIVYLENPIVSA 578

Qy 181 PNLLKLISNFSKVSGYKINVQKSQAFLYTNNRQTESQIMSELPFTIASKRICKYLGQLTR 240
|||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||:|||||

Db 579 QNLLKLISNFSKVSGYKINVQKSQAFLYTNNRQTESQIMSELPFTIASKRICKYLGQLTR 638

Qy 241 DVKDLFKENYKPLLNEIKEDTNKCKNIPCS 270
|||:|||||:|||||:|||||:|||||:|||||:|||||

Db 639 DVKDLFKENYKPLLKEIKEDTNWKKNIPCS 668

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